

## **CC Docket No. 94-102 – E911 Interim Report**

Filed by: Tennessee Cellular Telephone Co.

□ David Walker

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Castle Rock, CO 80104-3113

Date: July 31, 2003

To: Marlene H. Dortch, Secretary  
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By Electronic Submission:

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## **TIER III CARRIER INTERIM REPORT**

### **CC Docket No. 94-102**

Tennessee Cellular Telephone Co. ("TCTC") hereby submits its E911 Interim Report, pursuant to *Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, Phase II Compliance Deadlines for Non-Nationwide CMRS Carriers*, CC Docket No. 94-102, FCC 02-210, released July 26, 2002 (*Non-Nationwide Carrier E911 Order*), and *Public Notice*, DA 03-2113, released June 30, 2003.

#### **Carrier Identifying Information:**

**Carrier Name:** Tennessee Cellular Telephone Co. – FRN 0005-9386-59

**E911 Compliance Officer:** David Walker  
1562 Park Street, Unit E  
Castle Rock, CO 80104-3113

#### **E911 Implementation Information:**

In February 2003, FCC rules changed, and carriers were given the flexibility to pursue alternative business models. TCTC has moved to an alternative business model, specifically, becoming a "carriers' carrier". Thus, TCTC has no retail business, providing only wholesale service to other carriers. TCTC THUS HAS NO SUBSCRIBERS AND WILL NOT HAVE ANY SUBSCRIBERS. Based on this premise, TCTC hereby reports as follows:

- ☐ TCTC has received no Phase I requests and no Phase II requests from PSAPs. TCTC has obtained and installed all of the network equipment and software necessary to meet any Phase I request from a PSAP. TCTC is dependent on a landline between the switch and the requesting PSAP for Phase I deployment, and will have to work with the local exchange carrier ("LEC") to have a landline installed when the time comes. TCTC's system operates in rural areas, and it can take a LEC as long as 12 or even 18 months to install a new landline in a rural area. Thus, there is the substantial possibility that a PSAP's request would remain outstanding longer than six months while TCTC awaits the installation of a landline connection to the PSAP.
- ☐ TCTC is employing a handset-based solution for incoming roamers. TCTC is using TDMA technology supplied by Airbiquity. Airbiquity is based in the State of Washington.
- ☐ TCTC intends to serve incoming roamers using a handset-based solution. As such, TCTC has installed all of the necessary network equipment for Phase I E911 deployment. TCTC anticipates a significant problem with its Phase II E911 deployment. Specifically, TCTC elected to use a handset-based solution for its E911 deployment, because it was the only attainable solution, either technically or financially. Recently, the FCC ruled that Airbiquity, the only vendor of TDMA handset-based solutions, was not offering a Phase II-compliant handset. Now neither Airbiquity nor any other vendor will be supporting a handset-based

TDMA solution. Moreover, TCTC is unable to switch to a network-based solution, because it is technically impossible. For a network-based solution to function, a handset must be located within the reliable service area of at least three cell sites simultaneously, in order to triangulate the position of the handset. TCTC operates only in remote, rural areas, where there is little overlap between two cells, and never any overlap among three cells. Therefore, TCTC could never employ a network-based solution.

- TCTC obtained ALI-capable handsets from Airbiquity prior to the October 1, 2002 deadline, such that they were available if requested. TCTC did not encounter any problems in obtaining or negotiating agreements to obtain these ALI-capable handsets. TCTC added no new subscribers after October 1, 2002. As previously discussed, following the rule change to allow licensees to operate entirely as a “carriers’ carrier”, TCTC went to that business model. TCTC currently has no subscribers, but, rather, serves only the customers of other carriers. TCTC will not have any future subscribers.
- TCTC does not anticipate that full Phase II service will ever be available in its network, for the reasons discussed above pertaining to the issues with the absence of any available Phase II TDMA handsets and the impossibility of employing a network-based solution, both of which are beyond TCTC’s control. TCTC will be filing a request with the Commission for a permanent waiver of the Phase II requirements in the near future.
- With regard to meeting the ultimate implementation date of December 31, 2005, see above.